Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/22/2019 09:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124520	-1	1.66	124560	1.70
Blue	F	SSC	125000	123893	-1	3.05	124778	3.10
Blue	E	FITC	16694	16366	-2	3.44	381	22.18
Blue	D	PE	32792	32373	-2	2.59	713	16.54
Blue	B	PerCP-Cy5-5	44451	44569	0	4.41	1217	23.58
Blue	A	PE-Cy7	33645	33882	0	7.00	620	48.46
Red	C	APC	47008	46274	-2	3.03	1787	13.93
Red	A	APC-Cy7	32298	31833	-2	2.87	794	13.96
Violet	B	V450	8961	8472	-6	4.20	490	14.38
Violet	A	V500	32726	31488	-4	3.93	762	11.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20316	4.67	607	-6	N/A	N/A	Pass
Blue	F	SSC	56141	2.50	578	10	N/A	N/A	Pass
Blue	E	FITC	64	75.85	565	2	0.0157	227	Pass
Blue	D	PE	141	56.78	569	3	0.1183	237	Pass
Blue	B	PerCP-Cy5-5	225	58.32	675	4	0.0070	75	Pass
Blue	A	PE-Cy7	118	123.86	730	4	0.0087	29	Pass
Red	C	APC	408	29.38	613	0	0.0173	84	Pass
Red	A	APC-Cy7	196	32.43	586	1	0.0049	1485	Pass
Violet	B	V450	81	63.83	477	-9	0.0453	2744	Pass
Violet	A	V500	111	40.85	487	-9	0.0190	1311	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/22/2019 09:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.40	-31.90	1.13
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.54	13.60 - 20.40	N/A	N/A	29.00	29.45	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9801

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments